

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp          |
|-------|------|---|------------------------------|------------------|---------|---------------------|
| S1    | 1    | ("5563426").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2008/07/23<br>10:09 |
| S2    | 1    | S1 and (Ni or nickel)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/07/23<br>10:09 |
| S3    | 1    | ("5403772").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2008/07/23<br>10:25 |
| S4    | 1    | S3 and (Ni or nickel)   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/07/23<br>10:26 |
| S5    | 410  | (TFT or thin adj film<br>adj transistor) and<br>(Ni or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/07/23<br>14:28 |
| S6    | 341  | S5 and (matrix or<br>pixel or display) and<br>(driv\$3 or<br>peripheral)  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/07/23<br>14:29 |
| S7    | 1    | ("5569935").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2008/07/23<br>15:22 |
| S8    | 1    | S7 and (matrix or<br>pixel or display) and<br>(driv\$3 or<br>peripheral)  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/07/23<br>15:22 |
| S9    | 1    | ("5534716").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2008/07/23<br>16:31 |
| S10   | 1    | S9 and (matrix or<br>pixel or display) and<br>(driv\$3 or<br>peripheral)  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2008/07/23<br>16:31 |

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| S11 | 1   | ("5605846").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>08:16 |
| S12 | 1   | ("5569610").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>08:51 |
| S13 | 1   | ("5656825").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>08:59 |
| S14 | 1   | ("5585291").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>10:20 |
| S15 | 1   | ("5624831").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>10:30 |
| S16 | 410 | (TFT or thin adj film<br>adj transistor) and<br>(Ni or nickel) with<br>crystal\$8 and (@ad<br>< "19950828" or<br>@rlad <<br>"19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>10:55 |
| S17 | 341 | S16 and (matrix or<br>pixel or display) and<br>(driv\$3 or<br>peripheral)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>10:55 |
| S18 | 69  | S16 not S17   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>10:55 |
| S19 | 1   | ("5501989").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>11:02 |
| S20 | 1   | ("5534716").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>13:58 |
| S21 | 1   | S20 and (H or<br>hydrogen)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>13:58 |
| S22 | 1   | S20 and (halogen or<br>F or fluorine or Cl or<br>chlorine or Br or<br>bromine or I or<br>iodine)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>14:07 |
| S23 | 1   | S20 and (oxygen or<br>nitrogen or carbon)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>15:17 |

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|-----|------|---|------------------------|----|-----|------------------|
| S24 | 169  | (TFT or thin adj film adj transistor) with channel with length and @ad <"19940831"  | US-PGPUB; USPAT; USOCR | OR | ON  | 2008/07/24 15:55 |
| S25 | 1954 | s adj value and @ad <"19940831"   | US-PGPUB; USPAT; USOCR | OR | ON  | 2008/07/24 16:22 |
| S26 | 4    | (TFT or thin adj film adj transistor) with s adj value and @ad <"19940831"  | US-PGPUB; USPAT; USOCR | OR | ON  | 2008/07/24 16:23 |
| S27 | 1413 | (257/66).CCLS.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/24 17:23 |
| S28 | 65   | S27 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828") | US-PGPUB; USPAT; USOCR | OR | ON  | 2008/07/24 17:23 |
| S29 | 179  | (257/70).CCLS.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/24 17:23 |
| S30 | 14   | S29 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828") | US-PGPUB; USPAT; USOCR | OR | ON  | 2008/07/24 17:23 |
| S31 | 116  | (257/E29.292). CCLS.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/24 17:24 |
| S33 | 1318 | (257/E29.293). CCLS.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/07/24 17:24 |

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| S34 | 78  | S33 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>17:24 |
| S35 | 349 | (257/E29.294).<br>CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/07/24<br>17:24 |
| S36 | 24  | S35 and (TFT or thin adj film adj transistor) and (Ni or nickel) with crystal\$8 and (@ad < "19950828" or @rlad < "19950828") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2008/07/24<br>17:24 |
| S37 | 7   | ((5563426") or ("5639698") or ("5608232") or ("5616506") or ("5534716") or ("5614733") or ("5605846")).PN.                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/01/06<br>12:36 |
| S38 | 7   | S37 and (Ni or nickel) with concentration   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/01/06<br>12:38 |
| S39 | 1   | ("5569610").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/01/06<br>13:25 |
| S40 | 1   | S39 and (Ni or nickel) with concentration   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/01/06<br>13:25 |
| S41 | 2   | ((5643826") or ("5569610")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/06/11<br>10:38 |
| S42 | 2   | S41 and (Ni or nickel)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2009/06/11<br>10:39 |

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| S43 | 17  | ("Ni" or nickel) with peripheral and (TFT or thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:30 |
| S44 | 124 | ("Ni" or nickel) and peripheral with (TFT or thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:52 |
| S45 | 113 | ("Ni" or nickel) and peripheral with (TFT or thin adj film adj transistor) and crystalliz\$5 and (@rlad < "19940829" or @ad < "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:53 |
| S46 | 131 | ("4394191"  <br>"4951113"  <br>"4963503"  <br>"5032531"  <br>"5064775"  <br>"5202274"  <br>"5231039"  <br>"5262654"  <br>"5278093"  <br>"5287205"  <br>"5289030"  <br>"5294555"  <br>"5306651"  <br>"5308998"  <br>"5317432"  <br>"5320973"  <br>"5326712").PN. OR<br>("5403762").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:54 |
| S47 | 14  | S46 and ("Ni" or nickel) and (TFT or thin adj film adj transistor) and crystalliz\$5 and (@rlad < "19940829" or @ad < "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/30<br>10:55 |

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| S48 | 1   | ("5403772").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/03/30<br>10:55 |
| S49 | 445 | ("Ni" or nickel) with crystalliz\$6 with (Si or silicon) and (@rlad < "19940829" or @ad < "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:17 |
| S50 | 232 | ("Ni" or nickel) with crystalliz\$5 with (Si or silicon) and (@rlad < "19940829" or @ad < "19940829")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:17 |
| S51 | 158 | ("Ni" or nickel) with crystalliz\$5 with (Si or silicon) and (TFT or thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829") | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:17 |
| S52 | 58  | (Shunpei with Yamazaki).in. and ("Ni" or nickel) and (TFT or thin adj film adj transistor) and (@rlad < "19940829" or @ad < "19940829")         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2010/03/30<br>11:30 |
| S53 | 1   | ("5563426").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2010/03/30<br>11:37 |

3/30/2010 3:48:11 PM

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